

IMPLICIT ITERATION METHODS FOR VARIATIONAL INEQUALITIES IN BANACH SPACES

Ng. T T. Thuy and P. T. Hieu

TÓM TẮT:

In this paper, we introduce three new iteration methods, which are implicit and converge strongly, based on the steepest descent method with a strongly accretive and strictly pseudocontractive mapping and the modified Halpern's iterative scheme, for finding a solution of variational inequalities over the set of common fixed points of a nonexpansive semigroup on a real Banach space which has a uniformly Gâteaux differentiable norm.